



IN THE UNITED STATES PATENT & TRADEMARK OFFICE

5A 36268  
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| Appln. Ser. No.:   | Filed:       | Inventor(s): | Atty Dkt:      |
| 09/543,951   | 6 April 2000 | W. Dalton    | 1633-015A      |
| Title: Improved Brush Seal Designs for Turbines and Similar Rotary Apparatus |              |              |                |
| Examiner: M. Rogers  |              |              | Art Unit: 3626 |

Asst. Comm'r for Patents  
Washington, D.C. 20231-0001

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FEB 27 2002

GROUP 3600

**RESPONSE AND AMENDMENTS  
and Petition for Extension of Time**

Dear Sir:

In connection with the Office Action mailed 3 October 2001, the period for response being extended one month by the Petition at the end of this paper, please first amend the subject application as follows:

In the Claims:

AI  
1. (Amended.) A retractable packing segment for an apparatus that extracts work from the expansion of a gaseous working fluid, said apparatus comprising a rotating shaft disposed in a casing, said packing segment disposed in a ring formed from a plurality of packing segments and centered on an axis defined by said shaft to provide a seal therearound, said segment comprising: an inner face for sealing against said shaft; at least one brush seal disposed on the inner face of said segment; opposing side ends of said segment cut parallel with radii of said axis; and said brush seal having opposing ends at least one of said ends cut non-parallel with radii of said axis.

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